

**Heber Quarry  
M/051/001**

mos10001  
TaskID# 4808  
**RECEIVED** cc:leslie  
**MAY 02 2012**

**Reclamation Surety Estimate**

**Div. of Oil, Gas & Mining**

**Brief Details of Reclamation:**

1. Scoop first 2 ft of dump with 5 yard loader, then place it on the quarry floor and face to cover solid rock and recontour. This establishes a base for the soil mixture that will be spread. 2. Finish up the contouring with a dozer. 3. Spread soil mixture from soil stockpile and recontour areas with a loader. 4. Finish spreading soil with a dozer and excavator to final grade. 5. Broadcast seed and fertilize.

Amount of developed area which will receive reclamation treatments:	18.17
Estimated total developed area for this mine:	20.67
Excluded from reclamation for roads:	2.5

<b>Activity</b>	<b>Qty</b>	<b>Unit</b>	<b>\$/Unit</b>	<b>\$</b>
Safety Gates, Signs, Etc.	1	Sum	\$ 200.00	\$ 200.00
Debris & Equipment Removal - Trucking	0	Trips		\$ -
Debris & Equipment Removal - Dump Fees	0	CY		\$ -
Debris & Equipment Removal - Loading Trucks w/FE Loader	0	Hours		\$ -
Demolition & Debris Removal - General Labor	10	Hours	\$ 36.81	\$ 368.10
Regrading Facilities Areas	0	Acre		
Regrading Waste Dump Slopes: 1.6 ac x 1.5 ft deep	3875	CY	\$ 0.89	\$ 3,448.75
Ripping Waste Dump Tops	1	Acre	\$ 188.40	\$ 188.40
Ripping Stockpile & Compacted Areas	0	Acre		\$ -
Ripping Pit Floors	10	Acre	\$ 188.40	\$ 1,884.00
Ripping Pit Access Roads	1	Acre	\$ 188.40	\$ 188.40
Resloping Pit Highwalls	1700	CY	\$ 0.89	\$ 1,513.00
Ripping Access Roads - D8 Dozer	0	Acre		\$ -
Regrading Access Roads - D8 Dozer	0	Acre		\$ -
Sidecast Material Replacement on Steep Roads - Trackhoe	0	LF		\$ -
Sub-soil Placement (4" cover/7 acres) Pit Floors - D8 Dozer	3875	CY	\$ 0.89	\$ 3,448.75
Topsoil Replacement from Stockpile - D8 Dozer - 67%	1200	CY	\$ 0.89	\$ 1,068.00
Topsoil Replacement - Truck & FE Loader	0	CY		\$ -
Topsoil Replacement from Stockpile - FE Loader - 33%	600	CY	\$ 0.89	\$ 534.00
Composted manure (1 ton/acre)	18.17	Acre	\$ 1,400.00	\$ 25,438.00
Fertilizing (100 lb/acre Diammonium phosphate)	0	Acre		\$ -
Broadcast Seeding (~20 lb /acre)	18.17	Acre	\$ 378.01	\$ 6,868.44
Drill Seeding (~13 lb / acre)	0	Acre		\$ -
Hydroseeding	0	Acre		\$ -
General Site Cleanup & Trash Removal	1	Acre	\$ 111.00	\$ 111.00
Equipment Mobilization/Demobilization (D8 Dozer \$173/hr x 2 + \$148x4 FE \$79x2 + \$109x4	2	Equipment	\$ 766.00	\$ 1,532.00
Reclamation Supervision	5	Days	\$ 601.52	\$ 3,007.60
Subtotal:				\$ 49,798.44
10% Contingency				\$ 4,979.84
Subtotal:				\$ 54,778.29
Escalate for 5 years at 3.27% per year				\$ 9,196.42
Grand Total:				\$ 63,974.70

Revised May 1, 2012  
Used Cost Estimates from BLMs SCRC